State of Utah

OLENE S. WALKER
Governor

GAYLE McKEACHNIE
Lieutenant Governor

Administrative Services
S. CAMILLE ANTHONY
Executive Director

Purchasing and General Services
DOUGLAS RICHINS
Division Director

July 6, 2004

*****************ADDENDUM**************ADDENDUM***************

BID NUMBER: PM5004
DUE DATE: 08/03/04
TIME: **2:00 P.M.**

ADDENDUM #1: PM5004 AD3

DESCRIPTION: CONSTRUCTION OF A CONCRETE FISH TRAP – DUCK CREEK

1. **PLEASE NOTE: The attached bid sheet should replace the original which went out with the bid.**
2. The due date and time remain the same.

To acknowledge receipt of addendums, either include a copy of addendum with bid submittal or give written acknowledgement with bid. It shall be the responsibility of the bidder to appropriately disseminate this information to all concerned prior to the assigned bid time.

_____ _____
Signature **Date**

_____
Company Name

3150 State Office Building - Capitol Hill - Salt Lake City, Utah 84114-1061
Phone: (801) 538-3026 - Fax: (801) 538-3882 - www.purchasing.utah.gov

Mobilization/Demobilization	Total	

Concrete Fish Trap Structure Calculations:

Dewatering the Site Calculations:

The Contractor will dam channel upstream and route water through overland pipe - estimate 20 hours labor (1 day to divert water, 1 day to restore)

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	20		
Temporary Pipe	1 ft	200		
Trackhoe (excavator)	1 day	2		
			Total	

Stuctural Excavation and Backfill Calculations:

The Contractor will excavate for structure and backfill once structure has been completed - estimate 1 laborer 1 day to excavate and 2 laborers 1 day to backfill and compact

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	30		
Trackhoe	1 day	2		
Compactor	1 day	1		
			Total	

Aggregate Calculations:

The Contractor will place and compact aggregate for structure - estimate 2 laborers for 1 day (1 to place aggregate and 1 to compact)

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	20		
Trackhoe	1 day	1		
Compactor	1 day	1		
Aggregate	1 cu yd	11		
			Total	

Cast-In-Place Concrete Calculations:

The Contractor will place concrete as shown on the drawings - estimate 2 laborers to set up forms for 1 day and 2 laborers to place concrete for 2 days (there will need to be two separate pours)

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	60		
Concrete	1 cu yd	75		
Pump truck	1 hr	20		
Pump truck travel	base cost	2		
Per cu yd pumped	base cost	58		
			Total	

Rebar:

The Contractor will use reinforcement as shown on the drawings - labor is already included under concrete

Item	Unit	Quantity	Price	Cost Est.
#4 rebar	20 ft	95		
#5 rebar	20 ft	25		
#6 rebar	20 ft	15		
#7 rebar	20 ft	15		
			Total	

Support Brackets (Angle Irons):

The Contractor is to furnish and install angle irons

Item	Unit	Quantity	Price	Cost Est.
Angle Irons	20 ft	4		
			Total	

Total Estimated Cost For Cast-In-Place Concrete Fish Trap (All work items on this page) =	

Machine Placed Rock Riprap Calculations:

The Contractor is to place riprap as shown on the drawings. Excavation is already accounted for in Structural Excavation and Backfill and in excavation for stream channel changes. Estimate 1 laborer to place riprap in 3 days.

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	30		
Trackhoe	1 day	3		
Riprap	1 cu yd	105		
			Total	

Machine Placed Heavy Rock Riprap Calculations:

The Contractor is to place riprap as shown on the drawings. Excavatation is already accounted for in Structural Excavation and Backfill and in excavation for stream channel changes. Estimate 1 laborer to place riprap in 1 day.

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	10		
Trackhoe	1 day	1		
Riprap	1 cu yd	20		
			Total	

Excavation Calculations:

The Contractor is to excavate for riprap along headwalls, along channel, etc. Estimated time and quantities.

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	40		
Trackhoe	1 day	4		
			Total	

Concrete Pad:

The Contractor is to install concrete pad as shown on drawing including placement and compaction of aggregate and placement of concrete. Estimate 2 laborers for 1 day for concrete pad.

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	20		
Concrete	1 cu yd	2		
Aggregate	1 cu yd	0.7		
Pump Truck	Incorporated into concrete fish trap			
Pump Truck Travel	Incorporated into concrete fish trap			
Per cu yd pumped	base cost	1		
Reinforcement	Estimated cost			
			Total	

Access Road, Trail Improvement, and Universially Accessible Fishing Platforms

The Contractor is to construct access road, rehabilitate access road, create five feet wide trail, and . install 3 universially accessible fishing platforms.
Estimate 4 days to excavate, grade access road and install universially accessible fishing platforms; estimate 1 day to compact access road and fishing platforms; estimate 1 day to line lake shore with riprap; estimate 4 days to rehabilitate road down to 4 feet wide trail (including topsoil placement); estimate 2 days to place and compact aggregate; estimate 3 days to seed. Total 15 ten hour days.

Item	Unit	Quantity	Price	Cost Est.
Labor hours	1 hr	150		
Grader	1 day	8		
Trackhoe	1 day	1		
Compactor	1 day	4		
Seeding	1 lb	20		
Topsoil	1 cu yd	325		
Culverts	1 foot	60		
4"x4" redwood posts	1 foot	80		
#5 rebar	1 foot	60		
Riprap	1 cu yd	400		
Aggregate	1 cu yd	250		
			Total	

Grand Project Total:	